IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Number: 09/954,526

Art Unit: 1745

Applicants: James F. PITZEN, et al.

Examiner: John S. MAPLES

Filed: March 5, 2001

Confirmation No. 6141

Title: A Combination

Rechargeable, Detachable Battery System and Power

Tool

Reissue of Patent No.: 5,792,573

Attorney Docket No.: 54525.000055

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

DECLARATION OF GENE WARZECHA UNDER 37 C.F.R. § 1.131

Sir,

I, Gene Warzecha, declare the following:

- 1. I am authorized to act on behalf of Linvatec Corporation, a corporation existing under the laws of the state of Florida and having a principle place of business at 11311 Concept Blvd., Largo, FL 33773 and that I have been authorized by Linvatec Corporation to make this Declaration under 37 C.F.R. §1.131(a).
- 2. Linvatec Corporation is the assignee of the entire right, title, and interest in the patent application identified above by virtue of a chain of title from the inventors, of the patent application identified above, to the current assignee.

Application No.: 09/954,526
Atty. Docket No.: 54525.000055
2 of 3

3. The application identified above is a continuation of application no. 09/637,339, filed August 11, 2000 (now abandoned), which application is a reissue of application no. 08/692,886, filed July 24, 1996 (now U.S. Patent No. 5,792,573), which application is a divisional of application no. 08/258,338, filed June 10, 1994 (now U.S. Patent No. 5,553,675). Accordingly, the present application claims a priority filing date of June 10, 1994.

- 4. To the best of my knowledge, James F. Pitzen, Jeffrey D. Smith and Charles E. Alexson (collectively "the Inventors") are co-inventors of the invention described and claimed in the above-identified patent application, as evidenced by a copy of the executed oath filed in application no. 08/258,338, attached as Exhibit A.
- 5. Prior to February 10, 1994, the Inventors conceived of the invention. Conception of the invention is evidenced by drawings of an embodiment of the invention prepared prior to February 10, 1994. Date-redacted copies of the drawings are attached as Exhibit B.
- 6. The applicant proceeded with due diligence from a date prior to February 10, 1994 until at least the priority filing date of June 10, 1994 as evidenced by the following:
 - a. Memos dated February 13, 1994 from Jeff Hohenshell, intellectual property counsel for then assignee 3M, to the Inventors regarding a rough draft of a patent application for the invention. Copies of the memos are attached as Exhibit C. The memos suggest the need for at least one meeting with the Inventors and an ongoing process in order to complete the application.
 - b. Correspondence between Jeff Hohenshell and Gary Weintstein, an attorney with the law firm of Faegre & Benson, regarding the application. This correspondence is attached as Exhibit D and includes: a June 6, 1994 letter from Mr. Hohenshell to Mr. Weinstein; and a June 9, 1994 letter from Mr. Weinstein to Mr. Hohenshell. These letters indicate that ongoing application preparation as well as additional written and oral communication occurred during this time, including the time period from February 13, 1994 to June 6, 1994.

7. All statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DECLARANT:

Gene Warzecha
Assistant Secretary
Linvatec Corporation
11311 Concept Blvd.
Largo, FL 33773

7/19/06 Date

EXHIBIT A

OATH, POWER OF ATTORNEY, AND PETITION

Being duly sworn, We, James F. Pitzen, Jeffrey D. Smith and Charles E. Alexson, depose and say that: (1) our respective residences, citizenships, and mailing addresses are indicated below; (2) we have reviewed and understand the contents of attached specification, including the claims, as amended by any amendment specifically referred to herein; (3) we verily believe that we are the original, first, and joint inventors or discoverers of the invention or discovery in

ORTHOPEDIC SURGICAL DEVICE

described and claimed therein and for which a patent is sought; and (4) we hereby acknowledge our duty to disclose to the Patent and Trademark Office all information known to us to be material to the patentability as defined in Title 37, Code of Federal Regulations, §1.56*.

We hereby appoint Gary L. Griswold (Reg. No. 25,396), Walter N. Kirn (Reg. No. 21,196), Roger R. Tamte (Reg. No. 21,093), Terryl K. Qualey (Reg. No. 25,148), Warren R. Bovee (Reg. No. 26,434), Carolyn A. Bates (Reg. No. 27,853), Gerald F. Chernivec (Reg. No. 26,537), John C. Barnes (Reg. No. 20,278), and Jeffrey J. Hohenshell (Reg. No. 34,109) our attorneys with full powers (including the powers of appointment, substitution, and revocation) to prosecute this application and any division, continuation, continuation, in-part, reexamination, or reissue thereof, and to transact all business in the Patent and Trademark Office connected therewith; the mailing address and the telephone number of the above-mentioned attorneys are

Attention: Jeffrey J. Hohenshell
3M Office of Intellectual Property Counsel
P.O. Box 33427
St. Paul, Minnesota 55133-3427
Telephone No. (612) 733-1500

Wherefore, we pray that Letters Patent be granted to us for the invention or discovery described and claimed in the attached specification and we hereby subscribe our names to the foregoing specification and claims, oath, power of attorney, and this petition, this day of day of 1994.

Residence: City of Maplewood, County of Ramsey, State of Minnesota

Citizenship: United States of America

Post Office P.O. Box 33427

Address: St. Paul, Minnesota 55133-3427

James F. Pitzen

STATE OF MINNESOTA SS COUNTY OF RAMSEY

Before me personally appeared James F. Pitzen, to me known to be the person described in the above application for patent, who signed the foregoing instrument in my presence, and made oath before me to the allegations set forth therein as being under oath, on the day and year aforesaid.

SUSAN P. GUMATZ
NOTARY PUBLIC — MINNESOTA
WASHINGTON COUNTY
My Comm. Expires Mar. 18, 1997

Susan P. Kumatan Public Regary Public

*Title 37, Code of Federal Regulations, §1.56 is reproduced on the back of this page
This form may be executed only when attached to the specification (including claims) as the last page thereof. O-SN-Jnt-031392

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| • | 1 | $MQ \wedge Q$ |
| | 41 | M. Snie |
| | 2-00 | Jeffrey D. Smith |
| | Residence: | Marine on St. Croix, County of Washington, State |
| | , | of Minnesota |
| • ' | Citizenship: | United States of America |
| | Post Office | P.O. Box 33427 |
| | 'Address: | St. Paul, Minnesota 55133-3427 |
| STATE OF MINNESOTA | | |
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| COUNTY OF RAMSEY | | |
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| Before me personally appe | ared Jeffrey D. | Smith, to me known to be the person described in the |
| T | ioned the foreyo | ing instrument in my presence. And made data total |
| me to the allegations set forth there | in as being und | er oath, on the day and year aforesaid. |
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SUSAN P. GUMATZ
HOTARY PUBLIC—MINNESOTA
WASHINGTON COUNTY
My Comm. Expires Nar. 18, 1997

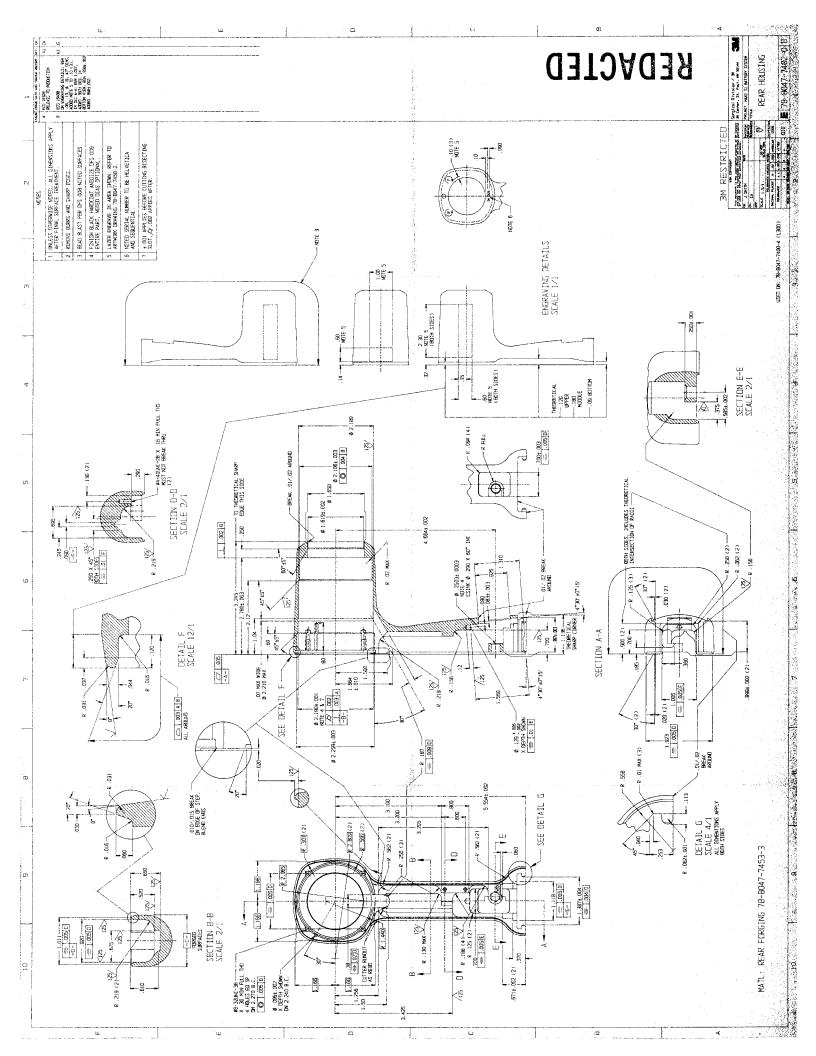
EXHIBIT B

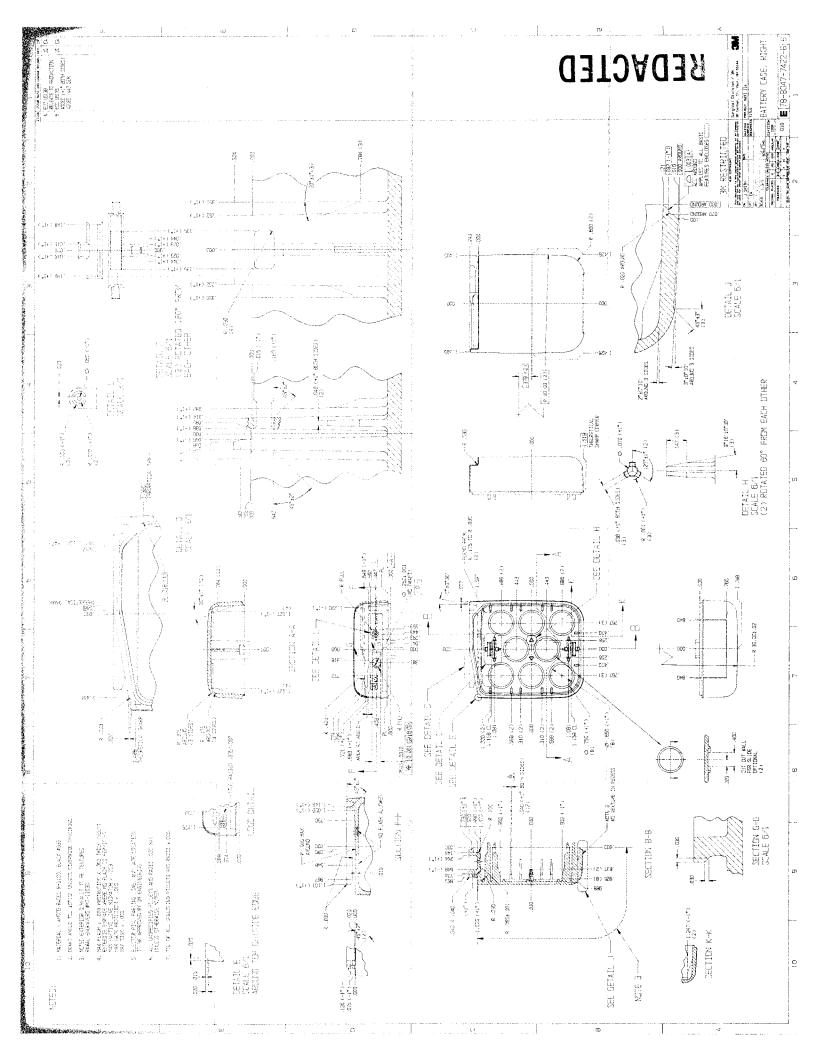
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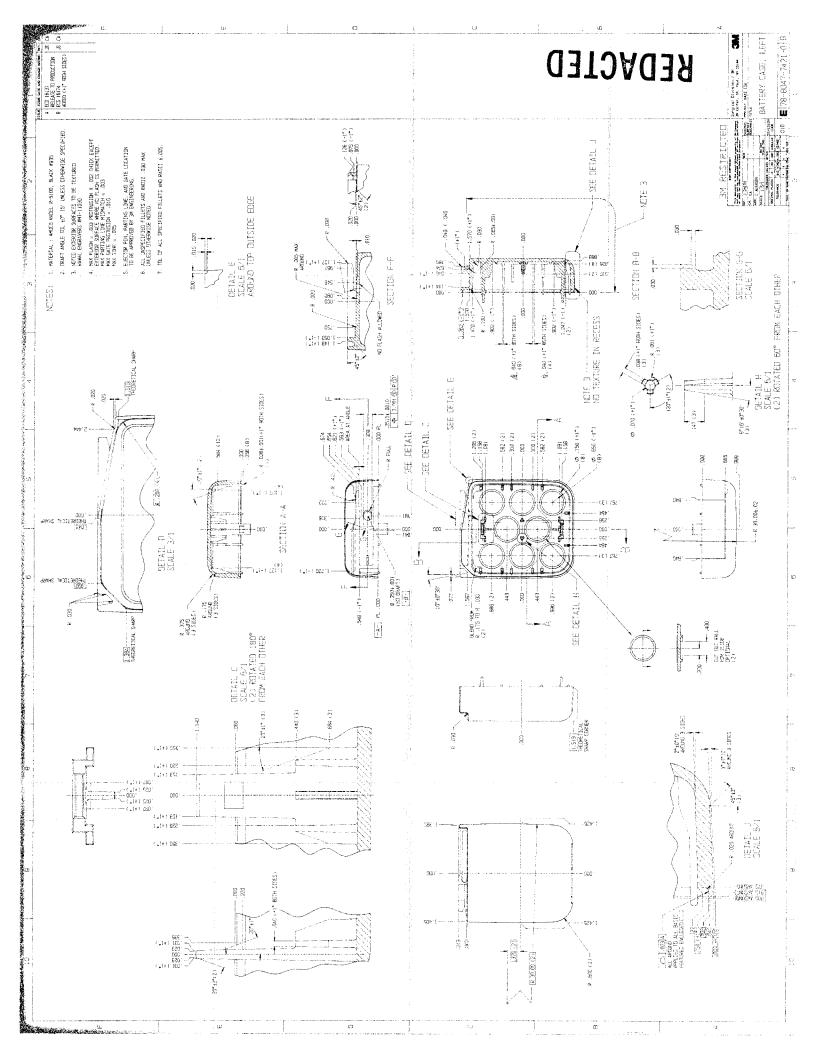
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| | 78-8032-2293-0 BEARING BALL, SST, (8534) | 26-1009-9087-3 RETAINING RING, EXT, BERYLLIUM | + | (9525) (1.375 I.D. x 1.625 B.D. x 156 NH9B #SSRI-26222ZRA5P25LY48 | | (9334) SMALLEY #VS-137-SD2-PA | ive | 12-7994-5373-8 D-RING (.114 x .070) | PARKER #2-005, | 12-7995-5692-8 D-RING (.145 x .070) (8027) PARKER #2-007, CLASS-AN, | 78-8032-2094-2 D-RING (1.114 x .070) | +- | (3057) | 26-1009-9064-2 COMPRESSION SPRING, SST, (9602) ASC #C0120-016-0560-S DR | _ | 26-1009-8427-2 COMPRESSION SPRING, SST, (8499) AST #FORMO-026-0750-S OR | | 26-1009-8428-0 COMPRESSION SPRING, SST | (.281 D.D. x .026 WIRE | 26-1009-8429-8 GRDDVED PIN, SST (.093 DIA x (9753) DRIV-LOK, TYPE C | - | (8732) | 26-1009-9065-9 CDMPRESSION SPRING, SST (9601) ASC #C0120-020-0250-S (120 D.D. x .020 WIRE | 26-1008-9157-6 DGWEL PIN, SST, (9418) | 26-1009-8432-2 D-RING (208 x . 070) (9911) | .040 BLINA | 18-3171-4875-9 SCREW, SDC HD CAP, SST, (9967) | - | BUTTON HD CAP, INC × 1/4 LONG | 3 SCREW, SOC SET FLT PT, #6-32 UNC x 1/4 LONG | 12-7992-2321-4 DDWEL PIN, SST (9419) 1/8 DIA X 7/16 LDNG | 26-1010-0165-4 DDWEL PIN, SST, (9417) 3/32 DIA x 3/4 LDNG | ئد | |
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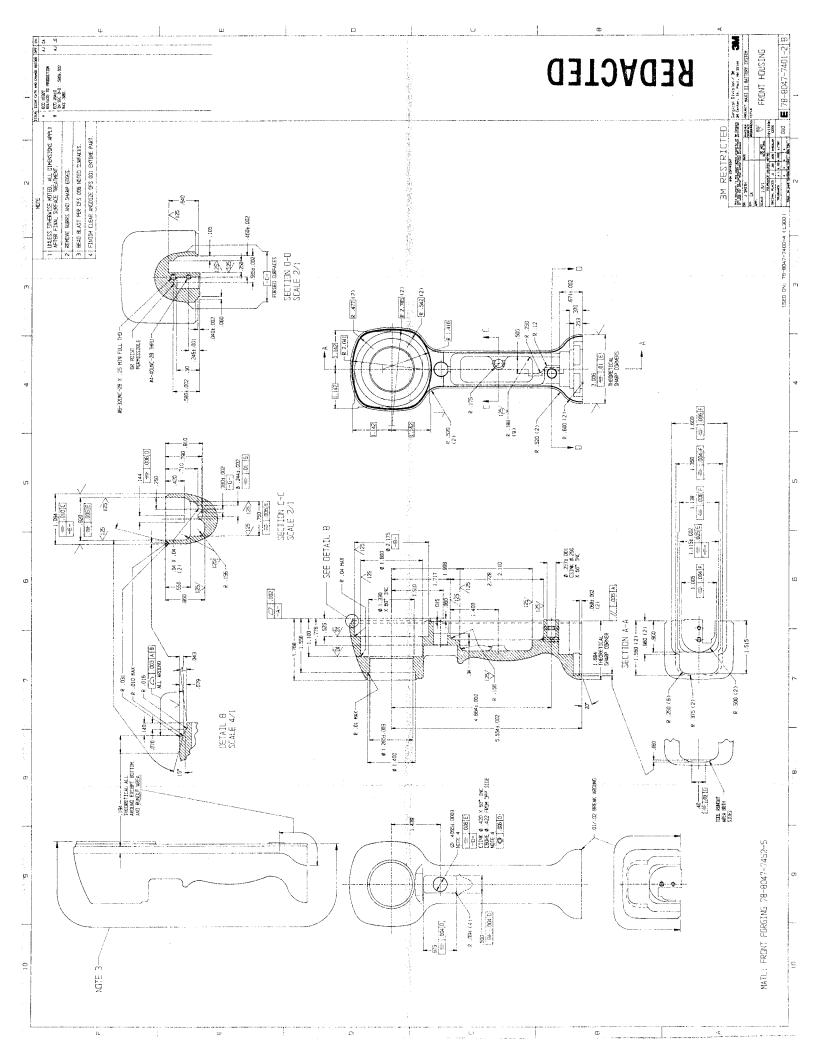


EXHIBIT C

CONFIDENTIAL ATTORNEY - CLIENT PRIVILEGE ATTORNEY WORK PRODUCT

3M

To: Jim Pitzen 270-4N-09 Chuck Alexson 270-4N-09

From: Jeff Hohenshell 3-1555

Re: Pitzen et al., 3M ref. no.: 50306 USA 6A

Date: February 13, 1994

Enclosed is a very rough draft of the above-identified application.

Please carefully review the enclosed application and provide me with your comments and the requested information. Please note this application contains attorney-client privileged material. Thus, it is important that you do not make any copies of this application, and that you return it to me with your comments.

With respect to the requested drawings, you may either send them to me or to Kevin Anderson (3-1541). Since our drafting department is currently overwhelmed with work, please send us the drawings as soon as possible. Any assistance that you could give us in this regard would be most appreciated by both our drafting department and me.

Once I have your comments on the draft, I can begin the process of completing it. I suggest that a meeting would be appropriate to discuss this draft. Please let me know when you are available for such a meeting.

Thank you for your help on this application. If you have any questions, please give me a call.

Al It

Jeffrey J. Hohenshell

cc: Jim Pitzon Chuck Alexson Jerry Peterson (memo only)

Minnesota Mining and Manufacturing Company

PO Box 33427 St. Paul, MN 55133-3427 USA 612 733 1555 612 736 3833 Facsimile 29 7023 Telex PATENTS Cable

3M

To: Kevin Anderson

From: Jeff Hohenshell

Re: Pitzen et al., 3M ref. no.: 50306 USA 6A

Date: February 13, 1994

Enclosed is a rough draft of the above-identified application.

At this point there are ten figures in the application, although several additional drawings may be added.

Please add the reference characters to these drawings and return them to me as you have the opportunity. I have attached a parts list for your convenience. Please let me know if you cannot work on this application this week. I expect to supply you with the additional drawings early this week.

Thank you for your help on this application. If you have any questions, please give me a call, or call Jim Pitzen (3-7273) or Chuck Alexson (6-3197).

Jeff

cc: Jim Pitzen Chuck Alexson

Minnesota Mining and Manufacturing Company

PO Box 33427 St. Paul, MN 55133-3427 USA 612 733 1555 612 736 3833 Facsimile 29 7023 Telex PATENTS Cable

EXHIBIT D

June 6, 1994

CONFIDENTIAL ATTORNEY - CLIENT PRIVILEGE ATTORNEY WORK PRODUCT



VIA FEDERAL EXPRESS

Gary Weinstein
Faegre & Benson
2200 Norwest Center
90 South Seventh Street
Minneapolis, MN 55402-3901

Dave Robbins
Patent Liaison
275-2E-11

Jeffrey D. Smith Inventor 270-4N-09

Chuck Alexson Inventor 270-4N-09 James Pitzen Inventor 270-4N-09

Re:

Proposed Patent Application for an Orthopedic Surgical Device

3M Ref: 50306USA6A

Dear Gentlemen:

Enclosed is a final, draft copy of the above-identified case. This includes 36 pages of text and 10 sheets of drawings.

Please carefully review the enclosed patent application. Once I have everyone's comments on this draft, I will prepare the formal papers for filing this application. To the persons addressed as inventors in this letter, please note that there are three fill-in-the-blanks with some informal details that I would like to add to this application.

Please review these documents as soon as you have the opportunity. Once you have reviewed this application, we can file it at the U.S. Patent Office along with the two design patents that we have previously discussed.

Once I have heard from everyone, I will attempt to set up a time where the inventors may execute the formal papers for this case.

Minnesota Mining and Manufacturing Company

PO Box 33427 St. Paul, MN 55133-3427 USA 612 733 1555 612 736 3833 Facsimile 29 7023 Telex PATENTS Cable Mr. Gary Weinstein Page Two June 6, 1994

Again, please let me have your comments as soon as you have the opportunity, as I would like to have an early filing date for this application and the two design patent applications.

Thank you again for your assistance with this case.

Yours,

Jeffrey J. Hohenshell

Enclosures

c: Jerry Peterson

270-4N-09 (letter only)

JJH/mls:D1:weinst.lt2

FAEGRE & BENSON

RROO NORWEST CENTER SO SOUTH SEVENTH STREET

MINNEAPOLIS, MINNESOTA 55402-3901

#19/339-3000 FACSIMILE 612/336-3026

June 9, 1994

GARY S. WEINSTEIN 512/836-3492

VIA FACSIMILE

Mr. Jeffrey J. Hohenshell Intellectual Property Counsel MINNESOTA MINING AND MANUFACTURING COMPANY P.O. Box 33427 Saint Paul, Minnesota 55133-3427

REDACTED

RE:

Patent Application for Orthopedic Surgical Device

Our File: 27987-111901 Your File: 50306USA6A

Dear Jeff:

Enclosed are the proposed changes I would make to the above-referenced patent application. Several of the changes are random grammatical items which I noticed while reviewing the application. The major portion, as you requested, is for the description of the electrical components of the device.

On page 1, line 19, delete the ",".

On page 4, line 20, after "to" insert -,-.

On page 5, line 33, replace "comprise" with --comprises-.

On page 10, line 21, after the word "example" insert -,-.

On page 26, line 13, replace "through" with --62 by-.

DENVER

DES MOINES

WASHINGTON, D.C.

LONDON

PRANKFURT

Mr. Jeffrey J. Hohenshell June 9, 1994 Page - 2 -

On page 26, line 13, after "field" insert --,--.

Replace the paragraphs beginning at page 12, line 20 and continuing through page 13, line 28 with the following:

> The drive assembly 10 also includes electrical circuit means operatively associated with the trigger assembly 40 for controlling the motor 12. The illustrated electrical circuit means comprises an on/off hall sensor 52 and a speed control hall sensor 54.

> The on/off hall sensor 52 is a digital hall sensor having an output signal with two levels corresponding to an on state and an off state. The on/off hall sensor 52 senses the presence of a magnetic field from the magnet 44 on the trigger assembly 40. When the trigger assembly 40 is released, the magnet 44 is positioned directly over the on/off hall sensor 52 (Figure 2). The magnet's 44 magnetic field causes the on/off hall sensor 52 to produce an output signal corresponding to an off state. As the trigger assembly 40 is depressed, the magnet 44 moves away from the on/off hall sensor 52. The on/off hall sensor 52, no longer sensing the presence of a magnetic field, produces an output signal corresponding to an on state.

> The output signal from the on/off hall sensor 52 is conditioned by electrical circuitry which provides a standby signal when the on/off hall sensor 52 produces an off signal. The standby signal disables motor drive circuitry and the speed control hall sensor 54. The standby signal therefore ensures that the motor 12 is off whenever the trigger assembly 40 is in a released position (Figure 2). An added benefit of disabling the motor drive circuitry and the speed control hall sensor 54 is that the electrical power required by the device 10 is significantly reduced during periods when the trigger assembly 40 is not depressed. This current reduction during a standby mode improves energy

> > : W409:C : 76-6 -9 :

/0 #40000 QQ/ ZTQ

Mr. Jeffrey J. Hohenshell June 9, 1994

Page - 3 -

efficiency of the device 10. In this manner, the device 10 may optionally include a battery saver feature.

The speed control hall sensor 54 is a linear hall sensor which provides a speed control signal having a range of levels based upon the strength of the magnetic field that the variable speed hall sensor 54 detects. As the strength of the magnetic field increases, the speed control hall sensor 54 produces a speed control signal with a higher level. As the trigger assembly 40 is depressed, the magnet 44 moves towards the speed control hall sensor 54 and increases the magnetic field across it. The speed control signal from the speed control hall sensor 54 is conditioned and drives the motor control circuit to provide motor speeds proportional to the speed control signal. Therefore, as the trigger assembly 40 is further depressed, the motor control circuitry increases the motor speed of the drive assembly 10. In this manner, the drive assembly 10 may optionally comprise a variable speed device.

If you have any questions, please feel free to call.

Very truly yours,

Gary S. Weinstein

: W409:8 : \$6-6 -9 :

GSW:dl

MLL1D7DA.WP5